EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1424
Weather:	39°F, p. cloudy	*Time Sampling Completed:*	1445
Date:	12/24/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-1		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	20.89	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	5.00	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	15.89	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	2.6 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1435		2.6 gal.		16.3°C	7.49	0.17	630	8.24	105	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl glass

Sampling Personnel/Time Samples Collected: SDL/MMH – 1440

Sample Identification Coding/Duplicate Identification Coding: MW-1/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 15415

Remarks: Well dry @ 4.0 gallons, re-charged & sampled.

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1510
Weather:	39°F, p.cloudy	*Time Sampling Completed:*	1535
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-2		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	21.69	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	5.28	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	16.41	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	2.7 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm) mS*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1524		2.7		16.5	7.45	0.15	990	4.72	115	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH - 1529

Sample Identification Coding/Duplicate Identification Coding: MW-2/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s):

Remarks: removed 3.5 g before dry-recharge - sampled @ 1529

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	0945
Weather:	Snowy, 30°F	*Time Sampling Completed:*	1020
Date:	12/22/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-08		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	18.8	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	6.0	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	12.8	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	~~0.20~~ 0.163	*Evacuation Method:*	~~QED Micro-purge pump with Teflon bladder~~ Bailer
Well Volume (Gallons):	2.0		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)* mS	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1003		2.0		11.2	7.86	1.7	100	6.44	-30	
1008		1.0		12.4	7.40	1.7	390	3.42	-40	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3-40 mL VOA	HCl Ice

Sampling Personnel/Time Samples Collected: JMH, MMM 1010

Sample Identification Coding/Duplicate Identification Coding: MW8/122204

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA

Chain of Custody Record Number(s): 154159

Remarks: Removed 3.0 g before well going dry - sampled.

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1333
Weather:	150F Sunn	*Time Sampling Completed:*	1415
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-17		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	44.56	*Type of Casing Material:*	~~PVC~~ S.S
Depth to Water Below MP (ft.):	27.20	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1347	27.43			13.6	7.40	0.45	190	5.20	64	
1350	28.62			13.6	7.33	0.39	110	4.97	59	
1353	28.87			9.8	7.40	0.39	93	5.60	60	
1356	28.94			5.6	7.38	0.39	110	5.31	67	
1359	29.03			5.7	7.36	0.38	120	5.49	62	
1402	29.03			5.9	7.28	0.40	110	5.49	68	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC 8260	3-40mL	HCl Ice

Sampling Personnel/Time Samples Collected: CSC/JmH 1404

Sample Identification Coding/Duplicate Identification Coding: MW-17/122004

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): N

Chain of Custody Record Number(s): 154160

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1425 0945
Weather:	sunny 45° Sunny 15°F	*Time Sampling Completed:*	
Date:	12/21/04 12/22/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-18		
Measuring Point (MP):		*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	45.33	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):		*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*

Sampling Personnel/Time Samples Collected:

Sample Identification Coding/Duplicate Identification Coding:

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s):

Remarks: 1515 PF1 Pump (micro-purge) stuck in well. will Return 12/21/04 Return 12/21/04 to attempt to retrieve pumps

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1350
Weather:	Sunny 40°F	*Time Sampling Completed:*	1420
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-23		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	39.70	*Type of Casing Material:*	~~PVC~~ S.S.
Depth to Water Below MP (ft.):	36.95	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	2.75	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	0.163 0.45	*Evacuation Method:*	~~QED Micro-purge pump with Teflon bladder~~ BAILER
Well Volume (Gallons):	0.45		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1405		0.5		13.7	8.25	0.66	270	4.31	-121	
1410		1.0		13.8	8.18	0.55	230	2.31	-120	
1412		1.5		14.0	8.15	0.61	240	2.40	-126	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*

Sampling Personnel/Time Samples Collected: LSC/JMH 1415

Sample Identification Coding/Duplicate Identification Coding: MW-23/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): FB01/122104 @ 1400 - 154158

Chain of Custody Record Number(s): 154148

Remarks: Elect to Sample w Bailer Due To Low Yields /WP Prior History of pump Getting Stuck

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1245
Weather:	39°F, p.cloudy	*Time Sampling Completed:*	1330
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-26		
Measuring Point (MP):	Toc	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	41.98	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	30.21	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	11.77	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	1.9 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1309	30.21			15.8°C	6.95	0.19 s/m	280	5.20	101	
1312	30.21			15.8°C	6.88	0.19	270	3.37	92	
1315	30.21			15.9°C	6.87	0.19	230	3.02	90	
1318	30.21			15.8°C	6.86	0.19	220	2.37	87	
1321	30.21			15.7°C	6.87	0.19	200	1.83	83	
1324	30.21			15.7°C	6.87	0.19	190	1.69	82	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. Glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH - 1327

Sample Identification Coding/Duplicate Identification Coding: MW-26/122104

'S/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 15459

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	0940
Weather:	10°F cloudy	*Time Sampling Completed:*	1020
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-26A		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	60.47	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	30.95	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1000	31.78			13.2	7.12	1.2M	720	5.75	20	
1003	31.63			8.5	7.23	1.2	390	7.04	20	
1006	31.60			6.2	7.27	1.3	380	6.89	20	
1009	31.48			5.6	7.30	1.2	350	6.57	20	
~~TD 12~~										

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC 8260	3-40mL	HCl / Ice

Sampling Personnel/Time Samples Collected: CMC/JMH 1010

Sample Identification Coding/Duplicate Identification Coding: MW26A/122004

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA

Chain of Custody Record Number(s): 154160

Remarks: Removed 0.5 gal

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1430
Weather:	Sunny 40°F	*Time Sampling Completed:*	1515
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-27		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	21.28	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	8.67	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1442	8.59			13.5°C	7.28	1.8	240	3.49	-9	
1445	8.92			13.6°C	7.27	1.8	200	1.71	-7	
1448	9.13			13.4°C	7.23	1.8	180	0.98	-2	
1451	9.33			13.3°C	7.22	1.8	140	0.65	2	
1454	9.50			13.1°C	7.21	1.8	130	0.51	6	
1457	9.73			12.9°C	7.21	1.8	100	0.26	11	
1500	9.90			12.8°C	7.20	1.8	76	0.19	15	
1503	10.05			12.8°C	7.20	1.8	64	0.07	18	
1506	10.25			12.8°C	7.19	1.8	46	0.00	23	
1509	10.52			12.8°C	7.18	1.8	45	0.00	24	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC 8260	3- 40 ml	HCl / ice

Sampling Personnel/Time Samples Collected: JMH, CSK / 1510

Sample Identification Coding/Duplicate Identification Coding: MW27/122104

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA

Chain of Custody Record Number(s): 154148

Remarks: Pumping at slowest rate possible. Removed 0.5 gal

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1125
Weather:	sunny 30°F	*Time Sampling Completed:*	1205
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-30		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	72.50	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	35.36	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1140	35.48			16.6	8.07	1.0	710.00	4.68	-71	
1143	35.75			16.4	7.81	1.1	7100	3.56	-68	
1146	35.76			16.0	7.62	1.1	71000	2.67	-64	
1149	35.78			15.7	7.63	1.1	71000	2.08	-58	
1152	35.78			14.8	7.60	1.1	71000	1.84	-55	
1155	35.78			14.4	7.58	1.1	71000	1.81	-52	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*

Sampling Personnel/Time Samples Collected: CMC/JMH - 1157

Sample Identification Coding/Duplicate Identification Coding: MW-30 / 122104

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA CMC 12/21/04 RIN 01 / 122104 @ 1345

Chain of Custody Record Number(s): 154148

Remarks: Removed 0.5 gal 154158

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1030
Weather:	Snow, 30°F	*Time Sampling Completed:*	1115
Date:	12/22/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-31D		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	61.90	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	32.90	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	29.00	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1050	33.05			12.1°C	7.45	1.3	190	5.58	-33	
1053	33.01			10.2°C	7.35	1.4	560	1.02	-28	
1056	33.02			11.0°C	7.31	1.3	920	0.00	-24	
1059	33.01			12.0°C	7.29	1.3	580	0.00	-26	
1102	33.01			12.1°C	7.32	1.3	570	0.00	-28	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 x 40ml	HCl, Ice

Sampling Personnel/Time Samples Collected: 1105

Sample Identification Coding/Duplicate Identification Coding: MW-31D/122204 MW-31D/122204/MS

MS/MSD Identification Coding: MW-31D/122204/MSD

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): Dup 01/122204

Chain of Custody Record Number(s): 159 159

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	~~1310~~ 0820
Weather:	Cloudy 40°F	*Time Sampling Completed:*	0940
Date:	12/28/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-41		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	55.34	*Type of Casing Material:*	~~PVC~~ S.S.
Depth to Water Below MP (ft.):	29.68	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
	NA									

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*

Sampling Personnel/Time Samples Collected: 0935 - C SK/JM H

Sample Identification Coding/Duplicate Identification Coding: MW-41/122104

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA

Chain of Custody Record Number(s): 154148

Remarks: NO SAMPLES. CAN NOT RETRIEVE PUMP. CLEAN TO SAMPLE W/ MICRO-BAILER. REMOVED 1/4L FROM WELL. ALLOWED W.L. TO RECOVER TO ORIGINAL (29.70) THEN COLLECT SAMPLE

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1230
Weather:	15°F Sunny	*Time Sampling Completed:*	
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-42		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	59.50	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	31.22	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1247	31.24			10.7	8.00	0.36	240	7.10	13	
1250	31.69			13.5	7.83	0.44	230	6.80	-17	
1253	31.68			7.1	7.76	0.47	240	6.84	-20	
1256	31.76			7.8	7.72	0.49	240	6.81	-18	
~~1259~~										

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC 8260	3-40ml	HCl Ice

Sampling Personnel/Time Samples Collected: CSC/JMH 1258

Sample Identification Coding/Duplicate Identification Coding: MW-42/122004

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA

Chain of Custody Record Number(s): 154160

Remarks: Removed 0.5 gpc

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1045
Weather:	10°F cloudy	*Time Sampling Completed:*	1115
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-43A		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP (ft.):	53.26	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	35.68	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	17.58	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	Water Level (ft. below MP)	Volume Removed (Gallons)	Pumping Rate (gpm)	Temperature (°C or °F)	pH	SEC (µS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Instrument used to measure parameters
1056	35.66			11.2	7.65	0.58	480	7.08	31	SUFFER ODOR
1059	36.69			10.9	7.98	0.56	170	4.78	-1	
1102	36.98			10.0	8.10	0.58	180	4.79	-5	
1105	36.86			9.8	8.17	0.62	170	5.97	1	
1108	36.98			9.3	8.12	0.60	170	5.95	5	
1111										

Turn on Pump

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*

Sampling Personnel/Time Samples Collected: 1110 - CSC/JMH

Sample Identification Coding/Duplicate Identification Coding: MW 43 A / 122004

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA

Chain of Custody Record Number(s): 154160

Remarks: 1059 - Pumping @ Slower Rate, Removed 0.5 gal

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	0840
Weather:	Sunny 40°F	*Time Sampling Completed:*	0930
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-44		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	56.03	*Type of Casing Material:*	~~PVC~~ S.S.
Depth to Water Below MP (ft.):	28.73	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
0858	28.20			13.3°C	6.58	1.4	↑999	3.67	167	Flow thru Cell
0901	28.35			14.0°C	6.72	1.5	↑999	2.68	162	"
0904	28.36			14.4°C	6.76	1.5	↑999	3.46	159	"
0907	28.36			14.9°C	6.77	1.4	↑999	4.04	159	"
0910	28.43			15.0°C	6.80	1.4	↑999	4.84	159	"
0913	28.43			14.9°C	6.81	1.4	↑999	5.01	158	"
0916	28.36			14.7°C	6.85	1.4	↑999	4.92	158	"
0919	28.33			14.6°C	6.82	1.4	↑999	4.98	157	"

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC 8260	3-40ml	HCL/ice

Sampling Personnel/Time Samples Collected: JMH 0920

Sample Identification Coding/Duplicate Identification Coding: MW44/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154148

Remarks: Removed 1gal - Good Micro Purge

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1520
Weather:	Cloudy 40°F	*Time Sampling Completed:*	
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-51A		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	22.21	*Type of Casing Material:*	PVC SS
Depth to Water Below MP (ft.):	17.07	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1534	17.22			12.6	1.06	1.8	7/000	2.54	76	
1537	17.63			12.7	1.03	1.8	7/000	0.36	73	
1540	17.74			12.7	1.02	1.8	7/000	0.13	73	
1543	17.90			12.3	1.01	1.8	71000	0.0	74	
1546	17.97			12.1	7.01	1.8	71000	0.0	74	
1549										
1552	LSC									

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*

Sampling Personnel/Time Samples Collected: CSK/JMH – 1548

Sample Identification Coding/Duplicate Identification Coding: MW-51A / 122104

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA RW02/122104 @ 1620

Chain of Custody Record Number(s): 154148 → 154158

Remarks: Removed 0.75gal

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1040
Weather:	Sunny 45°F	*Time Sampling Completed:*	1120
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	P-6		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	54.0	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	29.56	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):		*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)		*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):			

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*
1055	30.06			15.0	9.05	1.1	480	7.79	68	
1058	29.85			14.3	8.87	1.1	320	7.88	-47	
1101	29.70			13.8	8.67	1.1	290	8.34	-85	
1104	29.65			11.5	8.30	1.1	300	8.64	-86	
1107	29.63			10.9	8.29	1.1	310	8.63	-81	

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*

Sampling Personnel/Time Samples Collected: 1109 / CSC - SMH

Sample Identification Coding/Duplicate Identification Coding: P-6 / 122104

MS/MSD Identification Coding: NA

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): NA

Chain of Custody Record Number(s): 154148

Remarks: Remove 0.5 gpm

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1414
Weather:	20°F, p. cloudy	*Time Sampling Completed:*	1425
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-506		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	14.05	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	13.18	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	0.87	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	0.1 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass.	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH – 1420

Sample Identification Coding/Duplicate Identification Coding: MW-506/122004

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154100

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	0950
Weather:	20°F, overcast	*Time Sampling Completed:*	1038
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-508		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	36.49	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	33.78	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	2.71	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	~~0.16~~ x 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	0.4 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDC/MMH - ~~1035~~ 1035

Sample Identification Coding/Duplicate Identification Coding: MW-508/122004 - DUP02/122004 (154159)

MS/MSD Identification Coding: MW-508/122004 MS - MW-508/122004 MSD

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154160

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1041
Weather:	20°F, overcast	*Time Sampling Completed:*	1110
Date:	12/20/24		

Evaluation Data

Description of Sampling Point (Well ID):	MW-508B		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	50.12	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	33.26	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	16.86	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	2.7 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml glass	HCl, Ice

Sampling Personnel/Time Samples Collected: SDL/MMH – 1105
Sample Identification Coding/Duplicate Identification Coding: MW-508B/122024
MS/MSD Identification Coding: —
QA/QC Coding (i.e., Equipment Rinsate or Field Blank): —
Chain of Custody Record Number(s): 154160
Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1250
Weather:	20°F, Overcast	*Time Sampling Completed:*	1310
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-509A		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	18.71	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	+.25 9.48	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	9.23	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	1.5 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH -1308

Sample Identification Coding/Duplicate Identification Coding: MW-509A/122004

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154160

Remarks: Well dry @ 4.5gal. - allowed to re-charge & sampled.

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1300
Weather:	20°F, p. cloudy	*Time Sampling Completed:*	1327
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-509B		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	26.45	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	11.25	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	15.2	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	2.5 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH - 1325

Sample Identification Coding/Duplicate Identification Coding: MW-509B/122004

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank): FB02/122004 - 154158 @ 1320

Chain of Custody Record Number(s): 154160

Remarks: Collect field blank #02 - Well dry @ 3.5 gal. allowed to recharge & sampled.

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1330
Weather:	20°F, p. cloudy	*Time Sampling Completed:*	1345
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-510A		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	15.75	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	14.91	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	0.84	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	0.1 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDC/MMH - 1343

Sample Identification Coding/Duplicate Identification Coding: MW-510A/122004

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154160

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1330
Weather:	20°F, p. cloudy	*Time Sampling Completed:*	1355
Date:	12/20/04		

Evaluation Data

Description of Sampling Point (Well ID):	MW-510B		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP (ft.):	29.21	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	19.74	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	9.47	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	1.5 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40 ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH - 1351

Sample Identification Coding/Duplicate Identification Coding: MW-510B/122004

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154160

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1024
Weather:	35°F, p. cloudy	*Time Sampling Completed:*	1047
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	DW001		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	30.46	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	8.82	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	21.64	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	x 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	3.5 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDC/mmh - 1045

Sample Identification Coding/Duplicate Identification Coding: DW001/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154148

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1000
Weather:	35°F, p.cloudy	*Time Sampling Completed:*	1020
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	DW002		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	27.83	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	11.14	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	16.69	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	2.7 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH – 1016

Sample Identification Coding/Duplicate Identification Coding: DW002/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s):

Remarks: Well dry @ 4.5 gallons, re-charged & sampled. 154148

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	0930
Weather:	35°F, p. cloudy	*Time Sampling Completed:*	0950
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	DW003		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	29.33	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	10.22	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	19.11	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	x 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	3.1 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDZ/mmH - 0945

Sample Identification Coding/Duplicate Identification Coding: DW003/122104

'S/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s):

Remarks: Well dry @ 4.0 gallons, re-charged & sampled. 154148

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	0935
Weather:	35°F, p. cloudy	*Time Sampling Completed:*	0955
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	DW0004		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2
Total Depth of Well Below MP(ft.):	42.44	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	24.54	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	17.90	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.163	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	2.9 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDC/MMH – 0948

Sample Identification Coding/Duplicate Identification Coding: DW0004/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154148

Remarks: Well dry @ 5.0 gallons, re-charged & sampled.

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1015
Weather:	35°F, p. cloudy	*Time Sampling Completed:*	1018
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	WRPZ05		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2"
Total Depth of Well Below MP(ft.):	5.06	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	1.30	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	3.76	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.023	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	0.08 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH - 1017

Sample Identification Coding/Duplicate Identification Coding: WRPZ05/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154148

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1010
Weather:	35°F, P cloudy	*Time Sampling Completed:*	1013
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	WRPZ10		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2"
Total Depth of Well Below MP(ft.):	9.95	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	1.55	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	8.40	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.023	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	0.2 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, Ice

Sampling Personnel/Time Samples Collected: SDL/MMH - 1017

Sample Identification Coding/Duplicate Identification Coding: WRPZ10/122104

MS/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154148

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1005
Weather:	35°F, p. cloudy	*Time Sampling Completed:*	1008
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	WRPZ15		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	2"
Total Depth of Well Below MP(ft.):	14.80	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	5.79	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	9.01	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.023	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	0.2 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDL/MMH - 1007

Sample Identification Coding/Duplicate Identification Coding: WRPZ15/122104

'S/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154159

Remarks:

EMD CHEMICALS, INC.
GROUND WATER SAMPLING FORM

The Payne Firm, Inc.

General Information

Client/Project:	EMD	*Project Number:*	100.58.15
Location:	Cincinnati, OH	*Time Sampling Began:*	1000
Weather:	35°F, p. cloudy	*Time Sampling Completed:*	1004
Date:	12/21/04		

Evaluation Data

Description of Sampling Point (Well ID):	WRPZ20		
Measuring Point (MP):	TOC	*Casing Diameter (inches):*	~~2~~ 1"
Total Depth of Well Below MP(ft.):	19.50	*Type of Casing Material:*	PVC
Depth to Water Below MP (ft.):	6.15	*Tubing Material:*	Teflon-lined
Height of Column in Well (ft.):	13.35	*Pump Set at (ft. below MP):*	
Well Volume Conversion Factor: (see reverse)	X 0.023	*Evacuation Method:*	QED Micro-purge pump with Teflon bladder
Well Volume (Gallons):	0.3 gal.		

Ground Water Sampling Parameters

(See reverse for stabilization criteria)

Time	*Water Level (ft. below MP)*	*Volume Removed (Gallons)*	*Pumping Rate (gpm)*	*Temperature (°C or °F)*	*pH*	*SEC (µS/cm)*	*Turbidity (NTU)*	*DO (mg/L)*	*ORP (mV)*	*Instrument used to measure parameters*

Sample Information

Constituents Sampled	*Sample Containers*	*Field Preparation*
VOC	3 40ml. glass	HCl, ice

Sampling Personnel/Time Samples Collected: SDC/MMH - 1003

Sample Identification Coding/Duplicate Identification Coding: WRPZ20/122104

'S/MSD Identification Coding:

QA/QC Coding (i.e., Equipment Rinsate or Field Blank):

Chain of Custody Record Number(s): 154159

Remarks: